




**OMRON**

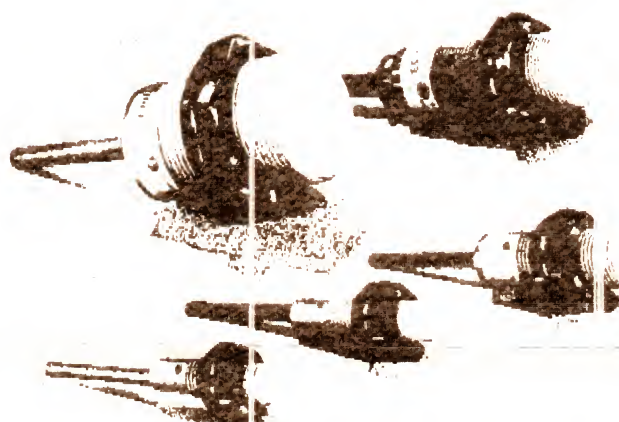
Sensing	Supply voltage	Output
 1.5, 2, 5, 10 mm	20 to 264 VAC, 50/60 Hz 90 to 140 VAC, 50/60 Hz 10 to 30 VDC	100 mA, 300 mA, 500 mA  200 mA, NPN or PNP 

**Cylindrical Inductive Proximity Sensor****E2F**

Short Length, Shielded Sensors  
With Threaded Plastic Body

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- Rugged, watertight plastic housing offers good chemical resistance and withstands washdown
- All are shielded for flush mounting in metal
- Wide operating voltages: 10 to 30 VDC and 20 to 264 VAC
- Operation indicator, all models
- Short-circuit protection and reverse polarity protection on all DC models
- Short-circuit protection available on AC types in M18 and M30 sizes
- Optional mounting bracket available for M8, M12, M18 and M30 sizes

**Ordering Information**■ **TWO-WIRE AC SWITCHING SENSORS**

Without Short-Circuit Protection

Size	M8	M12	M18	M30
Type	Shielded			
Nominal detecting distance	1.5 mm (0.06 in)	2 mm (0.08 in)	5 mm (0.20 in)	10 mm (0.39 in)
Part number	NO	E2F-X1R5Y1	E2F-X2Y1	E2F-X5Y1-1-US
	NC	E2F-X1R5Y2	E2F-X2Y2	E2F-X5Y2-2-US
Part number	NO	E2F-X1R5Y1	E2F-X5Y1-1-US	E2F-X10Y1-US
	NC	E2F-X1R5Y2	E2F-X5Y2-2-US	E2F-X10Y2-US

With Short-Circuit Protection

Size	M18	M30
Type	Shielded	
Nominal detecting distance	5 mm (0.20 in)	10 mm (0.39 in)
Part number	NO	E2F-X5Y1-53-US
	NC	E2F-X5Y2-53-US
Part number	NO	E2F-X10Y1-53-US
	NC	E2F-X10Y2-53-US

■ **DC SWITCHING SENSORS**

Size	M8	M12	M18	M30
Type	Shielded			
Nominal detecting distance	1.5 mm (0.06 in)	2 mm (0.08 in)	5 mm (0.20 in)	10 mm (0.39 in)
Part number	NPN NO	E2F-X1R5E1	E2F-X2E1	E2F-X5E1
	NPN NC	E2F-X1R5E2	E2F-X2E2	E2F-X5E2
	PNP NO	E2F-X1R5F1	E2F-X2F1	E2F-X5F1
	PNP NC	E2F-X1R5F2	E2F-X2F2	E2F-X5F2



# E2F OMRON E2F

## ■ ACCESSORIES

Description		Part number
Mounting brackets	Fits M8 size sensors	Y92E-B8
	Fits M12 size sensors	Y92E-B12
	Fits M16 size sensors	Y92E-B16
	Fits M30 size sensors	Y92E-B30

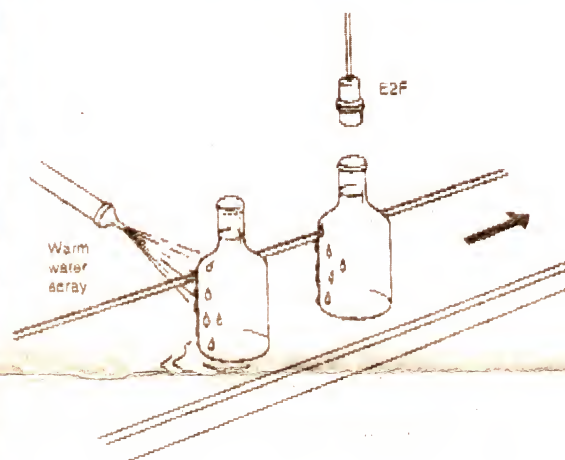
## ■ REPLACEMENT PARTS

Description		Part number
Mounting hardware: one pair of plastic nuts	Fits M8 size sensors (supplied with each sensor)	M8-PHWS
	Fits M12 size sensors (supplied with each sensor)	M12-PHWS
	Fits M16 size sensors (supplied with each sensor)	M16-PHWS
	Fits M30 size sensors (supplied with each sensor)	M30-PHWS

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## ■ TYPICAL APPLICATIONS

Checking for bottle cap in high humidity environment



Detecting carrier position on metal polishing machine

